BC 734 (PDGFAB, insert)

CTCGAGCAATTCCCACTGAATTTCGCCGCCACAGGAGACCGGCTGGA
GCGCCCGCCCCGCGCCTCGCCTCTCCTCCGAGCAGCCAGCGCCTCGG
GACGCGATGAGGACCTTGGCTTGCCTGCTGCTCCTCGGCTGCGGATA
CCTCGCCCATGTTCTGGCCGAGGAAGCCGAGATCCCCCGCGAGGTGA
TCGAGAGGCTGGCCCGCAGTCAGATCCACAGCATCCGGGACCTCCAG
CGACTCCTGGAGATAGACTCCGTAGGGAGTGAGGATTCTTTGGACAC
CAGCCTGAGAGCTCACGGGGTCCACGCCACTAAGCATGTGCCCGAGA
AGCGGCCCCTGCCCATTCGGAGGAAGAGAAGCATCGAGGAAGCTGT
CCCCGCTGTCTGCAAGACCAGGACGGTCATTTACGAGATTCCTCGGA
GTCAGGTCGACCCCACGTCCGCCAACTTCCTGATCTGGCCCCCGTGC
GTGGAGGTGAAACGCTGCACCGGCTGCTGCAACACGAGCAGTGTCA
AGTGCCAGCCCTCCCGCGTCCACCACCGCAGCGTCAAGGTGGCCAAG
GTGGAATACGTCAGGAAGAAGCCAAAATTAAAAGAAGTCCAGGTGA
GGTTAGAGGAGCATTTGGAGTGCGCCTGCGCGACCACAAGCCTGAAT
CCGGATTATCGGGAAGAGGACACGGATGTGAGGTGAGGATGAGCCG
CAGCCCTTTCCTGGGACATGGATGTGGGGATCCGTCGACCTGCAGCC
AAGCTTAAAACAGCTCTGGGGTTGTACCCACCCCAGAGGCCCACGTG
GCGGCTAGTACTCCGGTATTGCGGTACCCTTGTACGCCTGTTTTATAC
TCCCTTCCCGTAACTTAGACGCACAAAACCAAGTTCAATAGAAGGGG
GTACAAACCAGTACCACCACGAACAAGCACTTCTGTTTCCCCGGTGA
TGTCGTATAGACTGCTTGCGTGGTTGAAAGCGACGGATCCGTTATCC
GCTTATGTACTTCGAGAAGCCCAGTACCACCTCGGAATCTTCGATGC
GTTGCGCTCAGCACTCAACCCCAGAGTGTAGCTTAGGCTGATGAGTC
TGGACATCCCTCACCGGTGACGGTGGTCCAGGCTGCGTTGGCGGCCT
ACCTATGGCTAACGCCATGGGACGCTAGTTGTGAACAAGGTGTGAAG
AGCCTATTGAGCTACATAAGAATCCTCCGGCCCCTGAATGCGGCTAA
TCCCAACCTCGGAGCAGGTGGTCACAAACCAGTGATTGGCCTGTCGT
AACGCGCAAGTCCGTGGCGGAACCGACTACTTTGGGTGTCCGTGTTT
CCTTTTATTTTATTGTGGCTGCTTATGGTGACAATCACAGATTGTTAT
CATAAAGCGAATTGGATTGCGGCCGTCGACGCTTGTTCTTTTTGCAG
AAGCTCAGAATAAACGCTCAACTTTGGCGGCCGGCCCGGAATTCGAG
CTCGCCCGGGGATCCTCTAGAGTCGACACCATGAATCGCTGCTGGGC
GCTCTTCCTGTCTCTCTGCTGCTACCTGCGTCTGGTCAGCGCCGAGGG
GGACCCCATTCCCGAGGAGCTTTATGAGATGCTGAGTGATCACTCGA
TCCGCTCCTTTGATGATCTCCAACGCCTGCTGCACGGAGACCCCGGA

Figure 1A

GAGGAAGATGGGGCCGAGTTGGACCTGAACATGACCCGCTCCCACTC
TGGAGGCGAGCTGGAGAGCTTGGCTCGTGGAAGAAGGAGCCTGGGT
TCCCTGACCATTGCTGAGCCGGCCATGATCGCCGAGTGCAAGACGCG
CACCGAGGTGTTCGAGATCTCCCGGCGCCTCATAGACCGCACCAACG
CCAACTTCCTGGTGTGGCCGCCCTGTGTGGAGGTGCAGCGCTGCTCC
GGCTGCTGCAACAACCGCAACGTGCAGTGCCGCCCCACCCAGGTGCA
GCTGCGACCTGTCCAGGTGAGAAAGATCGAGATTGTGCGGAAGAAG
CCAATCTTTAAGAAGGCCACGGTGACGCTGGAAGACCACCTGGCATG
CAAGTGTGAGACAGTGGCAGCTGCACGGCCTGTGACCTGATAACCGG
AAGCTCTCGAG (SEQ ID NO:3)

BC701:
CTCGAGAATTCGAGCTCGCCCGGGGATCCTCTAGAGTCGACACCATG
AATCGCTGCTGGGCGCTCTTCCTGTCTCTCTGCTGCTACCTGCGTCTG
GTCAGCGCCGAGGGGGACCCCATTCCCGAGGAGCTTTATGAGATGCT
GAGTGATCACTCGATCCGCTCCTTTGATGATGTCCAACGCCTGCTGCA
CGGAGACCCCGGAGAGGAAGATGGGGCCGAGTTGGACCTGAACATG
ACCCGCTCCCACTCTGGAGGCGAGCTGGAGAGCTTGGCTCGTGGAAG
AAGGAGCCTGGGTTCCCTGACCATTGCTGAGCCGGCCATGATCGCCG
AGTGCAAGACGCGCACCGAGGTGTTCGAGATCTCCCGGCGCCTCATA
GACCGCACCAACGCCAACTTCCTGGTGTGGCCGCCCTGTGTGGAGGT
GCAGCGCTGCTCCGGCTGCTGCAACAACCGCAACGTGCAGTGCCGCC
CCACCCAGGTGCAGCTGCGACCTGTCCAGGTGAGAAAGATCGAGATT
GTGCGGAAGAAGCCAATCTTTAAGAAGGCCACGGTGACGCTGGAAG
ACCACCTGGCATGCAAGTGTGAGACAGTGGCAGCTGCACGGCCTGTG
ACCTGATAACCGGAAGCTCTCGAG (SEQ ID NO:1)

BC450:
Sal I
GTCGACTCTAGAGGGACAGCCCCCCCCCAAAGCCCCCAGGGATGTAA
TTACGTCCCTCCCCCGCTAGGGGCAGCAGCGAGCCGCCCGGGGCTCC
GCTCCGGTCCGGCGCTCCCCCCGCATCCCCGAGCCGGCAGCGTGCGG
GGACAGCCCGGGCACGGGGAAGGTGGCACGGGATCGCTTTCCTCTG
AACGCTTCTCGCTGCTCTTTGAGCCTGCAGACACCTGGGGGGATACG
GGGAAAAAGCTTTAGGCTGAAAGAGAGATTTAGAATGACAGAATCA
TAGAACGGCCTGGGTTGCAAAGGAGCACAGTGCTCATCCAGATCCAA

Figure 1B

CCCCCTGCTATGTGCAGGGTCATCAACCAGCAGCCCAGGCTGCCCAG
AGCCACATCCAGCCTGGCCTTGAATGCCTGCAGGGATGGGGCATCCA
CAGCCTCCTTGGGCAACCTGTTCAGTGCGTCACCACCCTCTGGGGGA
AAAACTGCCTCCTCATATCCAACCCAAACCTCCCCTGTCTCAGTGTAA
AGCCATTCCCCCTTGTCCTATCAAGGGGGAGTTTGCTGTGACATTGTT
GGTCTGGGGTGACACATGTTTGCCAATTCAGTGCATCACGGAGAGGC
AGATCTTGGGGATAAGGAAGTGCAGGACAGCATGGACGTGGGACAT
GCAGGTGTTGAGGGCTCTGGGACACTCTCCAAGTCACAGCGTTCAGA
ACAGCCTTAAGGATAAGAAGATAGGATAGAAGGACAAAGAGCAAGT
TAAAACCCAGCATGGAGAGGAGCACAAAAAGGCCACAGACACTGCT
GGTCCCTGTGTCTGAGCCTGCATGTTTGATGGTGTCTGGATGCAAGC
AGAAGGGGTGGAAGAGCTTGCCTGGAGAGATACAGCTGGGTCAGTA
GGACTGGGACAGGCAGCTGGAGAATTGCCATGTAGATGTTCATACAA
TCGTCAAATCATGAAGGCTGGAAAGCCTCCAAGATCCCCAAGACCAA
CCCCAACCCACCCACCGTGCCCACTGGCCATGTCCCTCAGTGCCACA
TCCCCACAGTTCTTCATCACCTCCAGGGACGGTGACCCCCCCACCTCC
GTGGGCAGCTGTGCCACTGCAGCACCGCTCTTTGGAGAAGGTAAATC
TTGCTAAATCCAGCCCGACCCTCCCCTGGCACAACGTAAGGCCATTA
TCTCTCATCCAACTCCAGGACGGAGTCAGTGAGGATGGGGCTCTAGA
GGGACAGCCCCCCCCCAAAGCCCCCAGGGATGTAATTACGTCCCTCC
CCCGCTAGGGGCAGCAGCGAGCCGCCCGGGGCTCCGCTCCGGTCCGG
CGCTCCCCCCCGCATCCCCGAGCCGGCAGCGTGCGGGGACAGCCCGGG
CACGGGGAAGGTGGCACGGGATCGCTTTCCTCTGAACGCTTCTCGCT
GCTCTTTGAGCCTGCAGACACCTGGGGGGATACGGGGAAAAAGCTTT
AGGCTGAAAGAGAGATTTAGAATGACAGAATCATAGAACGGCCTGG
GTTGCAAAGGAGCACAGTGCTCATCCAGATCCAACCCCCTGCTATGT
GCAGGGTCATCAACCAGCAGCCCAGGCTGCCCAGAGCCACATCCAG
CCTGGCCTTGAATGCCTGCAGGGATGGGGCATCCACAGCCTCCTTGG
GCAACCTGTTCAGTGCGTCACCACCCTCTGGGGGGAAAAACTGCCTCC
TCATATCCAACCCAAACCTCCCCTGTCTCAGTGTAAAGCCATTCCCCC
TTGTCCTATCAAGGGGGAGTTTGCTGTGACATTGTTGGTCTGGGGTG
ACACATGTTTGCCAATTCAGTGCATCACGGAGAGGCAGATCTTGGGG
ATAAGGAAGTGCAGGACAGCATGGACGTGGGACATGCAGGTGTTGA
GGGCTCTGGGACACTCTCCAAGTCACAGCGTTCAGAACAGCCTTAAG
GATAAGAAGATAGGATAGAAGGACAAAGAGCAAGTTAAAACCCAGC
ATGGAGAGGAGCACAAAAAGGCCACAGACACTGCTGGTCCCTGTGT

Figure 1C

CTGAGCCTGCATGTTTGATGGTGTCTGGATGCAAGCAGAAGGGGTGG
AAGAGCTTGCCTGGAGAGATACAGCTGGGTCAGTAGGACTGGGACA
GGCAGCTGGAGAATTGCCATGTAGATGTTCATACAATCGTCAAATCA
TGAAGGCTGGAAAGCCTCCAAGATCCCCAAGACCAACCCCAACCCA
CCCACCGTGCCCACTGGCCATGTCCCTCAGTGCCACATCCCCACAGTT
CTTCATCACCTCCAGGGACGGTGACCCCCCCACCTCCGTGGGCAGCT
GTGCCACTGCAGCACCGCTCTTTGGAGAAGGTAAATCTTGCTAAATC
CAGCCCGACCCTCCCCTGGCACAACGTAAGGCCATTATCTCTCATCC
AACTCCAGGAACGGAGTCAGTGAGGATGGGGCTCTAGAGGATCCCT
CGACCTGCAGGTCAACGGATCACAACAAACTGGAAAATTCTTCAAGA
GAAGAATACCAGACCACCCTACCTGCTTCCTGAGAAATCTGTTTGCT
GCTCAGAAGCAACAGTTAGAACCAGACATGGAACAACAGACTGGTT
CCAAATCAGGAAAGGAGTATGTCAAGGCTGTATATCGTCACCCTGAT
TATTTAACTTATATGCATAGTACATAATACAAAATGCCAGGCTGGAT
GAATCGCAAGCTGGAATCAAGATTTCTGGGAGAAATATCAATAAAC
GAGATACAAAGATACACCACACTTATGGCAGAAAACTAAGAAGAAC
TAAAGAGCCTCTTGATGAAAGTGAAAGAGGAGAGTGAAAAAGCCAG
CTTAAAACCCAACATTCAAAATCAAGATCATCATTTCATGGCAAATA
AATGGGGAAACAATGGAAACAGTGAGAGACTTTATTTTCTTGGGCTC
CAAAATCACTGCAGATTGTGACTACAGCCATGATTAAAAGATGCTTG
CTCCTTGGAAGAGAAGCTATTACCAAACTAGAAAGCATATTAAAAAG
CAGAGACGTTACTTTGCTGACTAAGTTCTGTCTAGTCAAACCTATGGT
TTTTCCAGTAGTCATATATGGATGTGAGTTGAACTATAAAGAAAGCT
GAGCACCAAAGAATTGATGCTTTTGAAATTTGGTGTTGGAGAAGTCT
CTTGAGAGTCCCTTGAACCTGCAAGGAGATCCAACCAGTCCATCCTA
AAGGAAATCAGTCCTGAATATTCATTGGAAGGACTGATGCTGAAATT
GAAGATTAACGTTTTGGACTCACCTAATGCAGAAGAGCCAACTCACT
AGAAAAGACCCCATGTTGGCAAAAATTGAAGCCAGGAAGAGAAGTG
AATGACAGAGGATGAGATGGTTGGATGGCATCGTTGACTGAATGGA
CATGAGTCTGATCAAGTTCCGGGAGACAGCAAAGGACAGGGCTGCC
TGGTCTGCTGCAGTCCATGGGGTTGCAAAGAGTCGGTCTCAAATGAG
TAACTAAACAACAACCAAGCAGTAGAAAAATAAATAAAATTTGTCTC
TGAGATCTCAGTACCTCTTTCTGTGCATATCCGTCTCCTGTTATTGTA
CTTTGTCTTCTGCTTGTAATAAAGCTGTCCTGTTAGTAAAATCTGTTT
GGGTCCTCTGAATTCTTTTAGCTATCAAAAATGGAAGGTGATTATTGT
GCAATGTCCACCTCTGAGTAATATACAGAGAATAAAAGAAGGGAGA

Figure 1D

AATTATGTGCAAGTTCTCTCTCATCTCCTGCTTCTCATTTAAAAGATT
CTACCTCAGTGGGGGCTAAAACTCCACATTTAACAGTAGCAAAAACC
AATATTCCATAGCTTCTTAGGAAACCATTTTTTATACTCTTGTATGTA
ATTACATTCAAGCTCAAAAGCAAAGAAGTGATTCTGCGTTGGTGAAG
GCCCAACCATAGAAAAGAGGAAGAAAATAGGCCACATACTGTGCTT
CCCCCATAGCTCAGTTGGTAAAGAATCTACCTACAATGCAGGAGGCC
TGGGCTTGATCCCTGGGTAAGGGAGATCCCCTGGAGAAGGAAATGGT
AACCCACTCCAGTACTCTTGCCTGTAAATCCCATGGACGGAGGAGCC
TGGCAGCTACAGCCTTGGGGTGGCAAGAGTTGGACATGATTAACAAC
TAAACCACTGCCACCACTCCACATACTGAGTGCTCCCCAGTGGCACT
AGTGGTAAAGAACCACCTGCCGGTGCAGAAGACATTAAAGACACTG
GCTCTATCCCTGCTTGGGAAGTAGGGAAGATCCCCTAGAGAGGGAAA
TAGCAACCCACTCCAGAATTCTTGCCTGGAAAATCCCATGAATGAAG
ACTGGCGGGCTGTAGTAACTGGGGTCACAAAGAGTTAAACATGATTT
AGCAACTAAACATCACCACATTAAAAAAATTACCACCAAAATAGTCA
TATTCCAGGCTAAGGGGAATAATAGCACTAGTACCTGAGAGAACTTT
CTCAGATTCTCTGTCAAGTTCTTCCTTCTCTCATATAACCAGTAGTCT
AGTTTACCTCATCAGATATTAACTACTCATCGATTCTAAATTATCTAA
TTATGGGGGGGGGCACTACATTGCATTATATTTTGTGTCCATTGACTA
TCACTCAATTTATTTATAAAAAATTCATCCATGTTGTTTCTGTGACAG
TAACTCATTCACATTAATTGTAATATCTCATTGCATTGTATACTACAA
TTTATTTATACAAAATACTATTATTCACACTTCTGTTGATTTTAATTTG
GAACATCAACAATAACGTGGCTGAGAAGCTTCTTTCTTTAGTATATT
GTTAAGGATTTCCTTGATCAAGATTTTACCTACTTTTCTGGTCCAATT
GGTGAGAGACAGTCATAAGGAAATGCTGTGTTTATTGCACAATATGT
AAAGCATCTTCCTGAGAAAATAAAAGGGAAATGTTGAATGGGAAGG
ATATGCTTTCTTTTGTATTCCTTTTCTGAGAAATCAGACTTTTTCACCT
TGGCCTTGGCCACCAAAAGCTAACAAATAAAGGCATATGAAGTAGC
CAAGGCCTTTTCTAGTTATATCTATGACACTGAGTTCATTTCATCATT
TATTTTCCTGACTTCCTCCTGGGTCCATATGAGCAGTCTTAGAATGAA
TATTAGCTGAATAATCCAAATACATAGTAGATGTTGATTTGGGTTTTC
TAAGCAATCCAAGACTTGTATGACAGTAAGATGTATTACCATCCAAC
ACACATCTCAGCATGATATAAATGCAAGGTATATTGTGAAGAAAAAT
TTTTAATTATGTCAAAGTGCTTACTTTAGAAGGTCATCTATCTGTCCC
AAAGCTGTGAATATATATATTGAAGGTAATGAATAGATGAAGCTAAC
CTTGTAAAAATGAGTAGTGTGAAATACAACTACAATTATGAACATCT

Figure 1E

GTCACTAAAGAGGCAAAGAAACTTGAAGATTGCTTTTGCAAATGGGC
TCCTATTAATAAAAAGTACTTTTGAGGTCTGGCTCAGACTCTATTGTA
GTACTTAGGGTAAGACCCTCCTCCTGTATGGGCTTTCATTTTCTTTCTT
GCTTCCCTCATTTGCCCTTCCATGAATACTAGCTGATAAACATTGACT
ATAAAAGATATGAGGCCAAACTTGAGCTGTCCCATTTTAATAAATCT
GTATAAATAATATTTGTTCTACAAAAGTATTATCTAAATAAATGTTAC
TTTCTGTCTTAAAATCCCTCAACAAATCCCCACTATCTAGAGAATAAG
ATTGACATTCCCTGGAATCACAGCATGCTTTGTCTGCCATTATCTGAC
CCCTTTCTCTTTCTCTCTTCTCACCTCCATCTACTCCTTTTTCCTTGCAA
TTCATGACCCAGATTCACTGTTTGATTTGGCTTGCATGTGTGTGTGCT
GAGTTGCGTCTGACTGTTATCAACCCCATGAATGATAGTCCACCAGG
CTCTACTGTCCATGAAATTTTCCAGTCAAGAATACTGGAGTGGATTG
CATTTCCTACTCCATTTGATTAATTTAGTGACTTTTAAATTTCTTTTTC
CATATTCGGGAGCCTATTCTTCCTTTTTAGTCTATACTCTCTTCACTCT
TCAGGTCTAAGGTATCATCGTGTGCTTGTTAGCTTGTTACTTTCTCCA
TTATAGCTTAAGCACTAACAACTGTTCAGGTTGGCATGAAATTGTGTT
CTTTGTGTGGCCTGTATATTTCTGTTGTGTATTAGAATTTACCCCAAG
ATCTCAAAGACCCACTGAATACTAAAGAGACCTCATTGTGGTTACAA
TAATTTGGGGACTGGGCCAAAACTTCCGTGCATCCCAGCCAAGATCT
GTAGCTACTGGACAATTTCATTTCCTTTATCAGATTGTGAGTTATTCC
TGTTAAAATGCTCCCCAGAATTTCTGGGGACAGAAAAATAGGAAGA
ATTCATTTCCTAATCATGCAGATTTCTAGGAATTCAAATCCACTGTTG
GTTTTATTTCAAACCACAAAATTAGCATGCCATTAAATACTATATATA
AACAGCCACTAAATCAGATCATTATCCATTCAGCTTCTCCTTCACTTC
TTCTCCTCTACTTTGGAAAAAAGGTAAGAATCTCAGATATAATTTCA
GTGTATCTGCTACTCATCTTTATTTTGGACTAGGTTAAAATGTAGAAA
GAACATAATTGCTTAAAATAGATCTTAAAAATAAGGGTGTTTAAGAT
AAGGTTTACACTATTTTCAGCAGATATGTTAAAAAATAGAAGTGACT
ATAAATACTTGATAAAAATTATAGTGACTGCAAATGTTTTAGGAATA
TAATAAGATATAATAACAGTGGTTGCTATTTTCTTTAGCACAAGACT
AGTTAACAGGCTGTATTAAAAGATCTTTTCTTGAATTAAATATTTTCA
ATTTGATTAAACCTACCTCAGCCATAAAGGCAAGCACATTTCATTTAT
ACTATGGGGATTTGAATAATTATTACTGAAGAAGCTCTACCAACAAA
AAGTTTATAGAGCTATCATATTTAGTCAAGAGATAAAGAGGGTTGTT
AGGATATATATGCTATTTGAAAGGTATTTATAAAAGAAGAGTATATT
TATCAAAATTTCTCAAGAACATCCAAATTTCAAGTTTATCATTTATCT

Figure 1 F

TACAATATTTCAAAAATATTAAAATAGATACATGAAATACAGAAGTA
AATTAAAGAGAAAGTATTTTACTTGGTAAAAAAATTCTAGGTTGGAC
AGAGAGTGCCAGGAAACAAAAACAATGAAAAATGTGACCTGACAGG
AATTATAGCTCAAAGTATAGTAGTAAGTAATGAAATGGCTTAAAAAT
TGGTATATAAAATGCTAGTTATAAAATAAACAAAATGCAATAATATC
CTCCCTACATGTAATGAATTCTAGGTATTATGATTATGCTCTTTTTTG
AAGTCTTGACAATAAAAATTTTTTTAGAAGTTTATAGGCATCTTGAAT
AAAGTGAAACAAATTAAGAATTAGTATCCATGAGAAAAATATAGAA
CAATTTTCCTAATTTAGTTTGAAAATCTGGGATTGAAGATGTGTGTCA
AGAGATGTTGGTGGCAAGAACATTTTTTTTTCAAGAACTTATAAAAA
TGCAACAAAACAAACCATTTAATACATTTTGGTCAAAATCAATAATG
TATTTTATTTTATGCTCCAAGGAGCATAAAATTGGGGACTGGGCAAG
AGAAACTGACACCCTGGTAAATTACCAAGAGATAAGTACACAGTTAC
TATAGTAGAAAATAAGCATAGTGTATGATCTCTAAAATTATGTGAGA
CAAAGGAGAGATGACATTAGGCATGTGGGGATGAAGACTGAGTAGA
GAAGAAACAATCTAATCAGTCCAAGAAAACATCTCGATCAGTGGAA
CAAATAGAAGAAATGCTAAAATGAAACAGAAGTCTTACTGGAAATA
AAAGATATGCATAAGACAAAAATTCATGAAAATCACTTAGTTTAGCA
GAGAAAAGATAAAAATAAAGTATGACCTTCTTCATATACATTGTTTG
ATCATATGCACCTCAATAAAACTGAGTCTCCAACAGAAATGAAACAT
TAATATTTTGTTCACTGCTCTAATCCCAGAATCTAAGCGATATCTGGC
AATAAAAATAATAAATATATATTTTTTAATAAATGAATCAACCACTT
AATTTTTCTGTAAATATCTGTAACTTCTCTTCTGTCTTTCCAAAAACA
CTCATAAGTACTGTGAATGAGATGAAAAAGAGTGAAGTAGGATATA
GGCTGTTAGCAGAAAACATCTGAATGGCTGGCAGTGAAACATTAACT
TGAAATGTAAGATTAATGAGTAATAGTAAATTTTAACCTTGGCCATA
TGATAAAATGTTCATTAATATTTTTCTAGAATACAGGGCTTTTTGTTT
TTGCCATGAGGTTTGCAGGATCTTGGTTCCCTGACCAGGGATCAAAC
CTGCACACCAGGGATCAAACCTGCACTCCCCTGGAAGCATGGAGTCT
TGGACATTTGTATTATACACTATCTTTGGTTCCTTTTAAAGGGAAGTA
ATTTTACTTAAATAAGAAAATAGATTGACAAGTAATACG
Xho I (cloning site)
CTGTTTCCTCATCTTCCCATTCACAGGAATCGCGGATCCTCGAGGATC
CGGACCCTTCCCTATTCTTGTAAGTCTAAATTTACTAACTGTGCTGTT
TAACTTCTGATGTTTGTATGATATTTGAGTAATTAAGAGCCCTACAAA
AAAATCAATAATGAATGGTTCCAAAATAAGCATAGCTGAGATTAATG

Figure 1G

ATTCTCAGCATTAGTTATAAATAGAATAAGCTGGAAAACCTTCACCT
CCCCTCCACCACCAGATCTCAATGTCTAGGCTTACCCATGGAGATTCT
GATTAACTGTTCTTTCTATGTAGAAGAAACTTATTGGGAAGAAATAA
TATAATGGACTATGATTTAATTGGTCTGTTGAGAATTTAGATGAAGG
GGATTAAGTTACAATAAAGCCAGAATTTAACTTGATAATCTCATTTG
GCTAAGAATAACAAACCTAAGAAGGTTTGCTATTTTCTACAATTTTG
AAGTTTTCCTTATGCACAATTATTTCACCACATGACTCATTTCACATC
TTGTTTTTGATATATGAGCATATGAGGGCAAAATACTGAAGATGCTT
ATTTCAATACTCAGGGAAAATTTTCTTGCCAAAAGGCAAGAATTGTA
TAATTCATTCACTTATTTTATTTTTTTTTAATTTTTAAGGTCTAAGAGGA
TTTCAAAGTGAATGCCCCCTCCTCACTTTTGGTAAGCTTTAGGAGATT
GGAGGCAGACTGATCATTTTTATAGTTAATATCTTTTACATTTCATCT
TCCTGGATAAGCCCCAATAGTAGCAATTTCTATCAGTATACCAGCAT
AAAGATTAGTTTTAAATTTATTTTCAGTGATTGACTGTTATTTACTGA
CCTGAAATTATGTATCTGTTATATTTCAAATAATGCAAAACTGTATAT
ATATGGTGTTGACAGATTTGATTGGTTTTCTTTCAATTGCCTATATCC
TTATTATTGATTGTAATCATTTATAGAAAAAACAAATAATTTCTTAT
ACTTTTATGTAAACCTGTTAGAGCTTATTTTAAAGATCAACTGCATTC
ACATTTCTAATCTAGTCATTATGAGCTTCAATTGTTTTATCTCACTTA
AAATTTATATATTGTCTTTTAATTCATGAGTCAAAATACAATCTCACA
GTCCAGATATGGGACTTAAAAGGGGAATAGCATATAGTTTTGATATT
CTTAAAGATATACATCTTTTTGTGATCATGATTCAGCAGACATTTTAA
TAAAACAATTCCAAGTGAGCCGACACTTGGTCCTAGAGGAATTTTTA
TAACCTTAAGATAAGGCACAGCATGGTGTTTTTGTAATAAGATTTCTT
TTATGAAAAAGTCACACCAAAATTGGAAATGGGGTGAGATGAAGAG
TTATAACATATAACTAAATGGACATTTGTTCTCTATTCCACAGAATTG
ACTGCGACTGGAAATATGGCAACTTTTCAATCCTTGCATCATGCTACT
AAGATAATTTTTAAATGAGTATACATGGAACAAAAAATGAAACTTTA
TTCCTTTATTTATATTATGCTTTTTCATCTTAATTTGAATTTGAGTCAT
AAACCATATACTTTCAAAATGTTAATTCAACATTAGCATAAAAGTTC
AATTTTAACTTGGAAATATCATGAACATATCAAATTATGTATAAAAA
TAATTTCTGGAATTGTGATTATTATTTCTTTAAGAATCTATTTCCTAAC
CAGTCATTTCAATAAATTAACCCTTAGGCATATTTAAGTTTTCTTGTC
TTTATTATATTTTTAAAAATGAAATTGGTCTCTTTATTGTTAACTTAA
ATTTATCTTTGATGTTAAAAATAGCTGTGGAAAATTAAAATTGAATA
GAATTCTTTGAATTGAGTTCCAAAGGATATCAAAAAGTGAGGGAAAA

Figure 1H

GATAGGGTGAGCCTATGCTGCATATGTCCTTAGAAAGTCTTGGTTTAT
ACCTGTTACCTAAGTTAAACAATTATACTTGTTCCTTTCACTCTCGAA
AGTACCCAGCATTGGATGTTAAATTTTATAGTCATCCTAGACAAAAA
AAAAAAAAAAAAACAAACAACCCTCAAATGTGATATCTGAATCACAG
CTCTACAGTGTGGTAGCTAAGTGGTGCTGTGTAAGTTAGTCTCCAAG
AGATTCCATTTCTACATTTATAAACAGTCAATTTAAGGTGTTTTATTG
AAGTTTTAATGTGAAAAGTGCACTATATGGTGCATGATAGGAGTTCC
TGGTTGAATCTCATTTCTGACATCACTGACACCAGTGCAGCAAGGAC
TAGTGTTACAATCAGAAGGAGCTGAGTTGTGTAATTTTAGCCATTAA
TGCCCAAGAGACTAGAACTTACACAAAGCTCTAATATCCATTGTCTC
TGTCTGTGGAGTAATTATTTCATTGCCATGAATTATCTGTCTGTCATA
TCCTGCATTTTTATACATGATTCAGTTCCCTTCAGTTCACACAATGAC
TTGTCTAATTTCATCTTTCCTGCATCCTCCATGTTTTCCTCACTTCAGG
ATTAAGTGAAGCCGTACTTAGGCACAATATTTCTTATCTTTAAAGAA
AAATTCCATCTTTGAGAGTTGTTATTGTTCAGTCACTAGGTCATGTCC
AACTCTTTGTGACCCCATGCACTGCAGCATGCCAGGCTTCCCTGCCCT
TCGCTCTCTCCTGGAGTTTGCTCAGACTCATGTAGATTGAGTCGGTGA
TGGTATCCAACTATCTCATCAACTGTTGTGCCCTTCTCCTCCTACCCT
CAGTCTTTACCAGCATCAGAGTCTTTCTCAGATTCTTCAGGTTATTAT
ATAACAACTATCATAAAAGGAGTATCTAAATGGCTGTGTCCATTATT
TCACATGTTATTCTCTCTTTAACTTGCTCCAATCCCAATTTTATCCCTA
TGGGAACTGCTTTATTGAAGATCACCAACAACTTTTATTTTACTAATC
GTTTTGTTTTACCCAACCTCTCAGTGAGTGTTATGAGGTAGAGTTGAC
TATTTCTTCATTTTGAAATATTACGCTTCATTTCATTTGATATCCTAAA
GCTCATAAGGTGTGGTTTTTCTCTTAACTCACTAGACACTTCTTTGAA
GTCTCTCTTCTGGCATTTTCTCCTTTTCCAAAATTTTAATGGTTGGAGT
ACCCTAGATTTTAGCCTTAATTTGTTTGATGTTGTTCAGTTCCATTCTC
AGCTCAGAGCTTCCAACTGTATGTCTCCAAACTTACTCGTTTTGTAAA
CTCCAAACTCATGCACTCAACTGCATTCTTGACCTCCACACTGAATTA
TCTAATTAATGTCCTAAATCTGGCATGACCAAGCATACATTTTTGTCT
GAATCCAGTCCCCAACTTGCTCAAAATTTAATTAAACGTAATTCAGTT
ACAAAGGCAGCTGATATTGTATGCAATAGACCTGAATGGGAACTTCA
CAAAAGAAGTTATCTTAATTGTCAATAAAAACATGAAAAATACTCTA
CATCATCAATCTTCAGAAAAATGCAAATTAAAGGTGCCTAATAATAT
CATGACACAACCGTCAGAATGACTGAAATGAAAAGAATTGTAATAC
AGTTCAGTTCAGTTCAGTTACTCAGTCGTCTCCAACTCTTTGTGACCC

Figure 1 I

CATGAACTGCAGCATGACAGACCTTCCTGTCCATCACCAACTCCCAG
AGTTTACTCAGACTATGTCCATTGAGTTGATGATGCCATCCAACCATC
TCATCCTCTGTCGTCCCCTTCTCCTCCTGCCCTCAGTCTTTCCCAGCAT
CAGGGTCTTTTCCAATGAGTCAGCTCTTCGCATCAGGTGGCTAAAGT
ATTGGAGTTTCAGCTTCAACATCAGTCCTTCTAATTAACACCCAGGAC
TGATCTCTTTTAGGATGGACTAGTTGGATCTCCTTGCAGTCCAAGGGA
CTCTCAAGAGTCTTCTCCAACACCACAGTTCAAAAGCATCAATTCCTT
GGCACTCAGCTTTCCTTATAGTCCATGTCTCACATCCACACATGACTA
TTGGAAAAACCATAGCCTTGACTAGGTGGACCTTTGTTGACAAAGTA
ATGTCTCTGCTTTTTAATATGTTGTCTAGATTGGTCATAACTTTCCTTC
CAAGAAGTAATTGTCTTTTAATTTCATGGCTGCAGTCACCATCTGCAG
TGATTTTGGAGCCCCAAAATATAAAGTCAGCTGCTGTTTCCACTGTTG
CCCCATCTACCCCATCTATTTGCCATGAAGTGATGGGACTGGATGCC
ACTATCTTAGTTTTCTGAATGTTGAGCTTTAAGCCAGCCTTTTTACTCT
CCTCTTTCACTTTCATCAAGAGGCTCTTTAGTTCCTCTTCACTTTCTGC
CATAAGGGTGGTGTCATCTGCATATCTGAGGTTATTGATATTTCTCTT
GGCAATTTTGATTCCAGCCTGCACTTCTTCCAGCCCAGTGTTTCTCAT
GATGTACTCTGCATATAAATTAAATAAGCAGAGTGACAATATACAGC
CTTGACATACTCTTTTTCCTATTTGGAACCAGTCTGTTGTTCCATGTCC
AGTTCTAACTGTTGTTTCCTGACCTGCATACAGGTTTCTCAAGAGGCA
AGTCAGGTGGTCTGGTATTCTCACCTGTTTCAGAATTTTCCACAGTTT
ATTGTGATCCACACAGTCAAAGGCTTTGGCATAGCCAATAAAGCAGA
AAGAGATGTTTTTCTGGAACTCTCTTACTTTTTTGATGATCCAGTGGA
TGTTGGCAATTTGATCTCTGGTTCCTCTGCCTTTTCTAAAACCAGCTTT
AACATCTGGAAGTTCATGGTTCACGTAATACAAAATGTAATACAAAA
TGTCTGCAAAAACAAAGGAATGAAAAGTAATGCTAAAAAATGTTAA
TATTTACAGAAATTTTTATAGTAGTAAAGAATTCACCTGCAATACAG
GAGAACCGGGTTAGATCCCTGGGTTGGAAGACCTCCTGGAGAAGGA
AATGGCTACCCAATCTAGTATTCTTGTCTGGAGAAGGCAAGAATGGA
CAGAGAAGCCCAGCGGGCTATGGTCCATCGGGTCACAAAGAGTCAG
AAGCTACCTTGCACACAGCAAGCACGGTGCGCGCGCGTGCACACAC
ACACACACACACACACACAGACACACACACACTCTAAAACATTTACC
CAAGCTTGTCCAATGGAAAATCAAAAAGCCAGCAATTTAAGATGAC
ATCAGGTACCACTGTCCAGGTAAGCCTCAGAACACAATGACCAGTAA
GAAGCAAAGTGCCATATGAGCAACTCGAATTTTTGCAATGTTACCTA
AGAGCTTCCATTTTTATAATGCAAAAGAATTTCATATGGGGAAATTG

Figure 1 J

TATTAGATAACCCTGAATGAGGAGCAAGATATAGTCAAAGTAAGAT
GCTCTAGTACTATTTTTTATAAGCATGATTTGTTCAGCCAAAGGTTTT
TTCCCATATGGCCAATGAACTGAAATATGCAGTCCTGAGATTTGCAT
ATATTTCTAGCTGAAACCAAGTAAATAATATCCTCAAGAAAGAAATC
AATAGAAAAGTTGGATGAAGAGTACAATAAAGGGACCAAAAATATT
CAGAAATAAGAACTAGAGGAGATATTGGGAAATCCCTGGTGAGTCC
AGTTTAGGATTTTGTACTTTCACTGCAGTTGGCATGGATATAATCCCT
CACTGGGGAACTAAGATCCCATAAGCTGTGTTGGATTGCCAAAAAAA
TAAATATTAAGAGATATCATTCATAGAATATTTTAAAGATATTTTAG
AGAAGAGGAAATTAAGGATGTGAGAATTTGTATTACTTTTTCAAGAT
ACTAAAGCTATTTAGAGATAGAGCTGTTACTAAAAACTTCAGTTTCC
TAAAAATTATTTGAAGCACTGTTTAATAAATTCCAAAATATAGAGGA
AGGAAAACAAAATACTGAGGATTCATATAATGATTCAGATTTAGAAA
CAATATAACACAGAATTAGTGAATTCTGACAAATTATTAGGTAGGAG
TAGATAGTTCAGCATTACTCGTATAGATGGAGTATTTAATCCTTTCCA
TGAGATTATCCAAATATAATAATTTCGTATCTATGTGAAGTATAACTA
TTAAGATTACTTTATAAAGTAAATCAAGAACCAGAGAATAAGAAAA
ATGTTTTGTGAACCAGCAGATACTATGAACACATAAAACTCAGAACC
CTGATTCCTAAGACACACAGCTAATCCTGATTATTCTTCCTTTACATG
TGACCATAGAACTTCACACAAGTTCAAGATACATTTGTTGAGCACAT
CAGTATCAGTTCAGTCACTCAGTCATGTCCGAATCTTTGTGACCTTGT
GGACTGCAGCACGCCAGGCTTTCCTGTCCACCACCAACCCCTGGAGC
TTACTCAAACTCATGTCCATTGAGTCAGTGATCCCATCCAACCATCTC
ATCCTCTGTCATCCTCTTCTCCTGCCTTCAATCTTTCCCAGACATTGGA
GTCTTTTCCAATGAGTCAGATCTTCACATTAGGTGGCCAAAGTATAG
GAGTTTCAGCTTCAGCATCAATCCTTCCAATGAATATTCCTTGATGTA
CCCCTTTCGCAGTTTGGAACCAGTCTGTTGTTCCATGTCCAGTTCTAA
CTGCTGCTTCTGGACCTGTATACAGATTTCTCAGGAGGCAGGTAAAG
TGGTCTGGTATTCCCATCTCTTGAAGAATTTTCCACAGTTTATTGTGA
TCCACACAATCAAAGGCTTTAGCGTAGTCAATAAAGCAGATGTTTTT
CTGGAACTCTCGTGCTTTTTTGATGATCCAATGGATGTTGGCAATTTG
ATCTCTGGTTCCTCTGCCTTTTCTAAATCCAGCTTGAACATCTGGAAG
TTCATGGTCCACGTACTGTTGAAGCCTGGCTTGGAGAATTTTGAGAG
TTATTTTGCTAGCATGTGAGATGAGTGCAATCATGTGGGTGTTTGAAC
ATACTTTGTCATTGCTTTTCTTTGGGATTGTGGCAGTCCTGTGGCCAC
TGCTGAGTTTTCCAAATTTGCTGACATATTGAGTGCAGCACTTTCACA

Figure 1K

GCATCACCTTTTAAGATTTGAAATAGCTCAACTGGAATTCCATCACCT
CCACTAGCTTTGTTCATAGTGAGGCTTTCTAAGGCCGTTTGACTTTGC
A
Sal I
TTCCAGGGTGTCTGGCTCTAGGTGAGTGATCCGTTGACCTGCAGCGG
CCGGTCGACCGGCCGCGAATTCTTGAAGACGAAAGGGCCTCGTGATA
CGCCTATTTTTATAGGTTAATGTCATGATAATAATGGTTTCTTAGACG
TCAGGTGGCACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTT
ATTTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACC
CTGATAAATGCTTCAATAATATTGAAAAAGGAAGAGTATGAGTATTC
AACATTTCCGTGTCGCCCTTATTCCCTTTTTTGCGGCATTTTGCCTTCC
TGTTTTTGCTCACCCAGAAACGCTGGTGAAAGTAAAAGATGCTGAAG
ATCAGTTGGGTGCACGAGTGGGTTACATCGAACTGGATCTCAACAGC
GGTAAGATCCTTGAGAGTTTTCGCCCCGAAGAACGTTTTCCAATGAT
GAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCCGTGTTGA
CGCCGGGCAAGAGCAACTCGGTCGCCGCATACACTATTCTCAGAATG
ACTTGGTTGAGTACTCACCAGTCACAGAAAAGCATCTTACGGATGGC
ATGACAGTAAGAGAATTATGCAGTGCTGCCATAACCATGAGTGATAA
CACTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGC
TAACCGCTTTTTTGCACAACATGGGGGATCATGTAACTCGCCTTGATC
GTTGGGAACCGGAGCTGAATGAAGCCATACCAAACGACGAGCGTGA
CACCACGATGCCTGCAGCAATGGCAACAACGTTGCGCAAACTATTAA
CTGGCGAACTACTTACTCTAGCTTCCCGGCAACAATTAATAGACTGG
ATGGAGGCGGATAAAGTTGCAGGACCACTTCTGCGCTCGGCCCTTCC
GGCTGGCTGGTTTATTGCTGATAAATCTGGAGCCGGTGAGCGTGGGT
CTCGCGGTATCATTGCAGCACTGGGGCCAGATGGTAAGCCCTCCCGT
ATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATGGATGAACG
AAATAGACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATTGGT
AACTGTCAGACCAAGTTTACTCATATATACTTTAGATTGATTTAAAAC
TTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATC
TCATGACCAAAATCCCTTAACGTGAGTTTTCGTTCCACTGAGCGTCAG
ACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGC
GCGTAATCTGCTGCTTGCAAACAAAAAAACCACCGCTACCAGCGGTG
GTTTGTTTGCCGGATCAAGAGCTACCAACTCTTTTTCCGAAGGTAACT
GGCTTCAGCAGAGCGCAGATACCAAATACTGTCCTTCTAGTGTAGCC
GTAGTTAGGCCACCACTTCAAGAACTCTGTAGCACCGCCTACATACC

Figure 1L

TCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGT
CGTGTCTTACCGGGTTGGACTCAAGACGATAGTTACCGGATAAGGCG
CAGCGGTCGGGCTGAACGGGGGGTTCGTGCACACAGCCCAGCTTGG
AGCGAACGACCTACACCGAACTGAGATACCTACAGCGTGAGCTATG
AGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCG
GTAAGCGGCAGGGTCGGAACAGGAGAGCGCACGAGGGAGCTTCCAG
GGGGAAACGCCTGGTATCTTTATAGTCCTGTCGGGTTTCGCCACCTCT
GACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGGCGGAGCCTA
TGGAAAAACGCCAGCAACGCGGCCTTTTTACGGTTCCTGGCCTTTTG
CTGGCCTTTTGCTGGCCTTTTGCTCACATGTTCTTTCCTGCGTTATCCC
CTGATTCTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCG
CTCGCCGCAGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGAGGA
AGCGGAAGAGCGCTGACTTCCGCGTTTCCAGACTTTACGAAACACGG
AAACCGAAGACCATTCATGTTGTTGCTCAGGTCGCAGACGTTTTGCA
GCAGCAGTCGCTTCACGTTCGCTCGCGTATCGGTGATTCATTCTGCTA
ACCAGTAAGGCAACCCCGCCAGCCTAGCCGGGTCCTCAACGACAGG
AGCACGATCATGCGCACCCGTCAGATCCAGACATGATAAGATACATT
GATGAGTTTGGACAAACCACAACTAGAATGCAGTGAAAAAAATGCT
TTATTTGTGAAATTTGTGATGCTATTGCTTTATTTGTAACCATTATAA
GCTGCAATAAACAAGTTAACAACAACAATTGCATTCATTTTATGTTTC
AGGTTCAGGGGGAGGTGTGGGAGGTTTTTTAAAGCAAGTAAAACCTC
TACAAATGTGGTATGGCTGATTATGATCTCTAGTCAAGGCACTATAC
ATCAAATATTCCTTATTAACCCCTTTACAAATTAAAAAGCTAAAGGT
ACACAATTTTTGAGCATAGTTATTAATAGCAGACACTCTATGCCTGTG
TGGAGTAAGAAAAAACAGTATGTTATGATTATAACTGTTATGCCTAC
TTATAAAGGTTACAGAATATTTTTCCATAATTTTCTTGTATAGCAGTG
CAGCTTTTTCCTTTGTGGTGTAAATAGCAAAGCAAGCAAGAGTTCTA
TTACTAAACACAGCATGACTCAAAAAACTTAGCAATTCTGAAGGAAA
GTCCTTGGGGTCTTCTACCTTTCTCTTCTTTTTTGGAGGAGTAGAATG
TTGAGAGTCAGCAGTAGCCTCATCATCACTAGATGGCATTTCTTCTGA
GCAAAACAGGTTTTCCTCATTAAAGGCATTCCACCACTGCTCCCATTC
ATCAGTTCCATAGGTTGGAATCTAAAATACACAAACAATTAGAATCA
GTAGTTTAACACATTATACACTTAAAAATTTTATATTTACCTTAGAGC
TTTAAATCTCTGTAGGTAGTTTGTCCAATTATGTCACACCACAGAAGT
AAGGTTCCTTCACAAAGATCCGGACCAAAGCGGCCATCGTGCCTCCC
CACTCCTGCAGTTCGGGGGCATGGATGCGCGGATAGCCGCTGCTGGT

Figure 1M

TTCCTGGATGCCGACGGATTTGCACTGCCGGTAGAACTCCGCGAGGT
CGTCCAGCCTCAGGCAGCAGCTGAACCAACTCGCGAGGGGATCGAG
CCCGGGGTGGGCGAAGAACTCCAGCATGAGATCCCCGCGCTGGAGG
ATCATCCAGCCGGCGTCCCGGAAAACGATTCCGAAGCCCAACCTTTC
ATAGAAGGCGGCGGTGGAATCGAAATCTCGTGATGGCAGGTTGGGC
GTCGCTTGGTCGGTCATTTCGAACCCCAGAGTCCCGCTCAGAAGAAC
TCGTCAAGAAGGCGATAGAAGGCGATGCGCTGCGAATCGGGAGCGG
CGATACCGTAAAGCACGAGGAAGCGGTCAGCCCATTCGCCGCCAAG
CTCTTCAGCAATATCACGGGTAGCCAACGCTATGTCCTGATAGCGGT
CCGCCACACCCAGCCGGCCACAGTCGATGAATCCAGAAAAGCGGCC
ATTTTCCACCATGATATTCGGCAAGCAGGCATCGCCATGGGTCACGA
CGAGATCCTCGCCGTCGGGCATGCGCGCCTTGAGCCTGGCGAACAGT
TCGGCTGGCGCGAGCCCCTGATGCTCTTCGTCCAGATCATCCTGATCG
ACAAGACCGGCTTCCATCCGAGTACGTGCTCGCTCGATGCGATGTTT
CGCTTGGTGGTCGAATGGGCAGGTAGCCGGATCAAGCGTATGCAGCC
GCCGCATTGCATCAGCCATGATGGATACTTTCTCGGCAGGAGCAAGG
TGAGATGACAGGAGATCCTGCCCCGGCACTTCGCCCAATAGCAGCCA
GTCCCTTCCCGCTTCAGTGACAACGTCGAGCACAGCTGCGCAAGGAA
CGCCCGTCGTGGCCAGCCACGATAGCCGCGCTGCCTCGTCCTGCAGT
TCATTCAGGGCACCGGACAGGTCGGTCTTGACAAAAAGAACCGGGC
GCCCCTGCGCTGACAGCCGGAACACGGCGGCATCAGAGCAGCCGAT
TGTCTGTTGTGCCCAGTCATAGCCGAATAGCCTCTCCACCCAAGCGG
CCGGAGAACCTGCGTGCAATCCATCTTGTTCAATCATGCGAAACGAT
CCTCATCCTGTCTCTTGATCAGATCTTGATCCCCTGCGCCATCAGATC
CTTGGCGGCAAGAAAGCCATCCAGTTTACTTTGCAGGGCTTCCCAAC
CTTACCAGAGGGCGCCCCAGCTGGCAATTCCGGTTCGCTTGCTGTCC
ATAAAACCGCCCAGTCTAGCTATCGCCATGTAAGCCCACTGCAAGCT
ACCTGCTTTCTCTTTGCGCTTGCGTTTTCCCTTGTCCAGATAGCCCAGT
AGCTGACATTCATCCGGGGTCAGCACCGTTTCTGCGGACTGGCTTTCT
ACGTGTTCCGCTTCCTTTAGCAGCCCTTGCGCCCTGAGTGCTTGCGGC
AGCGTGAAGCTTTTTGCAAAAGCCTAGGCCTCCAAAAAAGCCTCCTC
ACTACTTCTGGAATAGCTCAGAGGCCGAGGCGGCCTCGGCCTCTGCA
TAAATAAAAAAAAATTAGTCAGCCATGGGGCGGAGAATGGGCGGAAC
TGGGCGGAGTTAGGGGCGGGATGGGCGGAGTTAGGGGCGGGACTAT
GGTTGCTGACTAATTGAGATGCATGCTTTGCATACTTCTGCCTGCTGG
GGAGCCTGGGGACTTTCCACACCTGGTTGCTGACTAATTGAGATGCA

Figure 1N

TGCTTTGCATACTTCTGCCTGCTGGGGAGCCTGGGGACTTTCCACACC
CTAACTGACACACATTCCACAGCCGGATCTGCAGGACCCAACGCTGC
CCGAGATGCGCCGCGTGCGGCTGCTGGAGATGGCGGACGCGATGGA
TATGTTCTGCCAAGGGTTGGTTTGCGCATTCACAGTTCTCCGCAAGAA
TTGATTGGCTCCAATTCTTGGAGTGGTGAATCCGTTAGCGAGGTGCC
GCCGGCTTCCATTCAGGTCGAGGTGGCCCGGCTCCATGCACCGCGAC
GCAACGCGGGGAGGCAGACAAGGTATAGGGCGGCGCCTACAATCCA
TGCCAACCCGTTCCATGTGCTCGCCGAGGCGGCATAAATCGCCGTGA
CGATCAGCGGTCCAATGATCGAAGTTAGGCTGGTAAGAGCCGCGAG
CGATCCTTGAAGCTGTCCCTGATGGTCGTCATCTACCTGCCTGGACAG
CATGGCCTGCAACGCGGGCATCCCGATGCCGCCGGAAGCGAGAAGA
ATCATAATGGGGAAGGCCATCCAGCCTCGCGTCGCGAACGCCAGCA
AGACGTAGCCCAGCGCGTCGGCCGCCATGCCGGCGATAATGGCCTGC
TTCTCGCCGAAACGTTTGGTGGCGGGACCAGTGACGAAGGCTTGAGC
GAGGGCGTGCAAGATTCCGAATACCGCAAGCGACAGGCCGATCATC
GTCGCGCTCCAGCGAAAGCGGTCCTCGCCGAAAATGACCCAGAGCG
CTGCCGGCACCTGTCCTACGAGTTGCATGATAAAGAAGACAGTCATA
AGTGCGGCGACGATAGTCATGCCCCGCGCCCACCGGAAGGAGCTGA
CTGGGTTGAAGGCTCTCAAGGGCATCGGTCGAGGAACTTTCGGCGGC
TTTGCTGTGCGACAGGCTCACGTCTAAAAGGAAATAAATCATGGGTC
ATAAAAATTATCACGTTGTCGGCGCGGCGACGGATGTTCTGTATGCG
CTGTTTTCCGTTGGCCGTTGCTGTCTGGTGATCTGCCTTCTAAATCTG
CACAGCCGAATTGCGCGAGCTTGGTTTTGCTGAAACCGACACACAGC
AACTGAATACCAGAAAGAAAATCACTTTGCCTTTCTGACATCAGAAG
GGCAGAAATTTGCCGTTGAACACCTGGTCAATACGCGTTTTGGTGAG
CAGCAATATTGCGCTTCGATGAGCCTTGGCGTTGAGATTGATACCTCT
GCTGCACAAAAGGCAATCGACCGAGCTGGACCAGCGCATTCGTGAC
ACCGTCTCCTTCGAACTTATTCGCAATGGAGTGTCATTCATCAAGGAC
NGCCTGATCGCAAATGGTGCTATCCACGCAGCGGCAATCGAAAACCC
TCAGCCGGTGACCAATATCTACAACATCAGCCTTGGTATCCTGCGTG
ATGAGCCAGCGCAGAACAAGGTAACCGTCAGTGCCGATAAGTTCAA
AGTTAAACCTGGTGTTGATACCAACATTGAAACGTTGATCGAAAACG
CGCTGAAAAACGCTGCTGAATGTGCGGCGCTGGATGTCACAAAGCA
AATGGCAGCAGACAAGAAAGCGATGGATGAACTGGCTTCCTATGTCC
GCACGGCCATCATGATGGAATGTTTCCCCGGTGGTGTTATCTGGCAG
CAGTGCCGTCGATAGTATGCAATTGATAATTATTATCATTTGCGGGTC

Figure 1O

CTTTCCGGCGATCCGCCTTGTTACGGGGCGGCGACCTCGCGGGTTTTC
GCTATTTATGAAAATTTTCCGGTTTAAGGCGTTTCCGTTCTTCTTCGTC
ATAACTTAATGTTTTTATTTAAAATACCCTCTGAAAAGAAAGGAAAC
GACAGGTGCTGAAAGCGAGCTTTTTGGCCTCTGTCGTTTCCTTTCTCT
GTTTTTGTCCGTGGAATGAACAATGGAAGTCAACAAAAAGCAGACGT
ATCTAGACACGTCTGAAGCTAGCTTCGAGGAACTTTCGGCGGCTTTG
CTGTGCGACAGGCTCACGTCTAAAAGGAAATAAATCATGGGTCATAA
AAATTATCACGTTGTCGGCGCGGCGACGGATGTTCTGTATGCGCTGT
TTTCCGTTGGCCGTTGCTGTCTGGTGATCTGCCTTCTAAATCTGCACA
GCCGAATTGCGCGAGCTTGGTTTTGCTGAAACCGACACACAGCAACT
GAATACCAGAAAGAAAATCACTTTGCCTTTCTGACATCAGAAGGGCA
GAAATTTGCCGTTGAACACCTGGTCAATACGCGTTTTGGTGAGCAGC
AATATTGCGCTTCGATGAGCCTTGGCGTTGAGATTGATACCTCTGCTG
CACAAAAGGCAATCGACCGAGCTGGACCAGCGCATTCGTGACACCG
TCTCCTTCGAACTTATTCGCAATGGAGTGTCATTCATCAAGGACNGCC
TGATCGCAAATGGTGCTATCCACGCAGCGGCAATCGAAAACCCTCAG
CCGGTGACCAATATCTACAACATCAGCCTTGGTATCCTGCGTGATGA
GCCAGCGCAGAACAAGGTAACCGTCAGTGCCGATAAGTTCAAAGTT
AAACCTGGTGTTGATACCAACATTGAAACGTTGATCGAAAACGCGCT
GAAAAACGCTGCTGAATGTGCGGCGCTGGATGTCACAAAGCAAATG
GCAGCAGACAAGAAAGCGATGGATGAACTGGCTTCCTATGTCCGCAC
GGCCATCATGATGGAATGTTTCCCCGGTGGTGTTATCTGGCAGCAGT
GCCGTCGATAGTATGCAATTGATAATTATTATCATTTGCGGGTCCTTT
CCGGCGATCCGCCTTGTTACGGGGCGGCGACCTCGCGGGTTTTCGCT
ATTTATGAAAATTTTCCGGTTTAAGGCGTTTCCGTTCTTCTTCGTCAT
AACTTAATGTTTTTATTTAAAATACCCTCTGAAAAGAAAGGAAACGA
CAGGTGCTGAAAGCGAGCTTTTTGGCCTCTGTCGTTTCCTTTCTCTGT
TTTTGTCCGTGGAATGAACAATGGAAGTCAACAAAAAGCAGAGCTTA
TCGATGATAAGCGGTCAAACATGAGAATTC (SEQ ID NO:2)

Figure 1P